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Summary

RADIOCYST - PHASE II MULTICENTRE SAFETY AND EFFICACY STUDY OF ENDOSCOPIC ULTRASOUND GUIDED RADIOFREQUENCY ABLATION OF CYSTIC TUMOURS OF THE PANCREAS

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Pancreas

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EUS-guided radiofrequency ablation of low-risk pancreatic mucinous cysts in 55 patients showed variable size reduction (ranging from minimal to complete resolution) with mostly mild adverse events and one serious perforation.

KEY POINTS

- 55 of 68 patients with low-risk branch-duct IPMN or mucinous cystadenomas (0.7-4cm) completed EUS-RFA, with 12 excluded due to anatomical concerns and 18 requiring a second ablation.
- At one-year follow-up imaging, 18 patients showed 80-100% cyst size reduction, 5 showed 50-79% reduction, 4 showed 20-49% reduction, 18 showed less than 20% reduction, and one patient experienced cyst doubling.
- One patient experienced scope-induced small bowel perforation (Clavien-Dindo grade 3); other adverse events were mild and included transient abdominal pain, bloating, sore throat, and nausea, plus one self-limiting seizure in a patient with epilepsy.
- The authors conclude EUS-RFA was well tolerated and relatively safe, offering a potential alternative to lifelong surveillance for low-risk pancreatic cysts.

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